

ABSTRACT

A hybrid electric vehicle comprises a first motor (2) connected to an internal combustion engine (1), a second motor (3) generating vehicle drive force, and a power storage device (6). A controller (9) supplies power from the power storage device (6) to the second motor (3) in response to an accelerator pedal depression amount (B16, B42). The controller (9) calculates an available power supply to the first motor (2) by subtracting the power supply to the second motor (3) from the available power of the power storage device (6) (B28). When the target rotation speed of the engine (1) exceeds the actual rotation speed of the engine (1), power from the power storage device (6) is supplied to the first motor (2) in a range which does not exceed the available power supply (B23, B32), thereby accelerating engine rotation without decreasing power supply to the second motor (3).